KUNDENDIENST

ITT Graetz

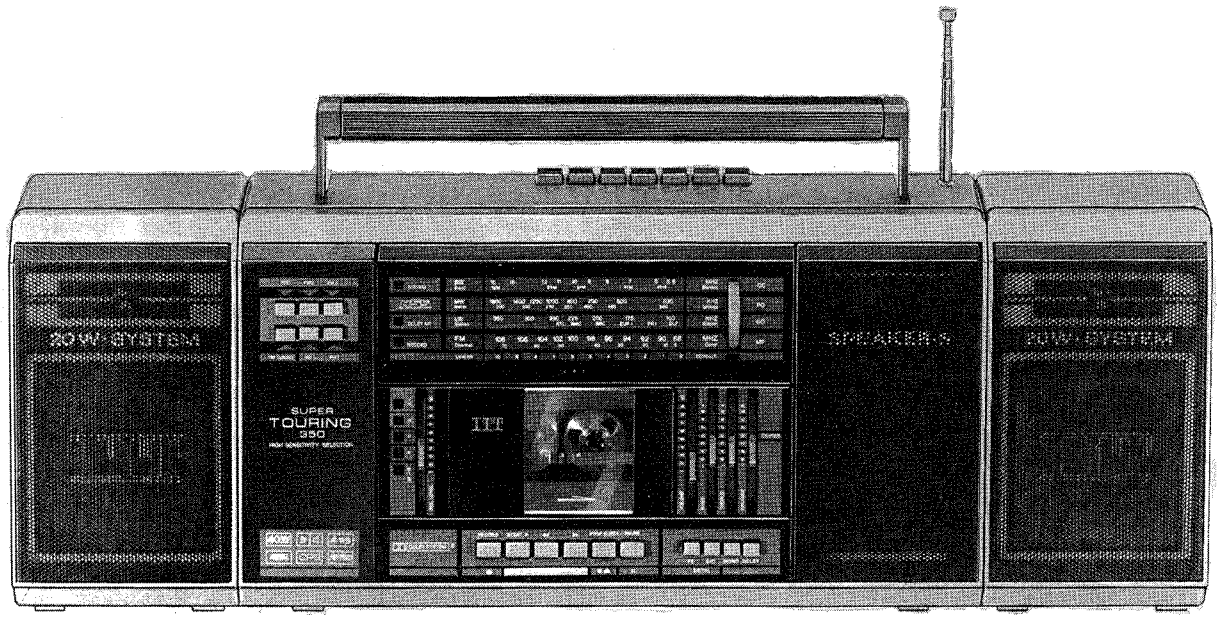
SERVICE

MANUAL

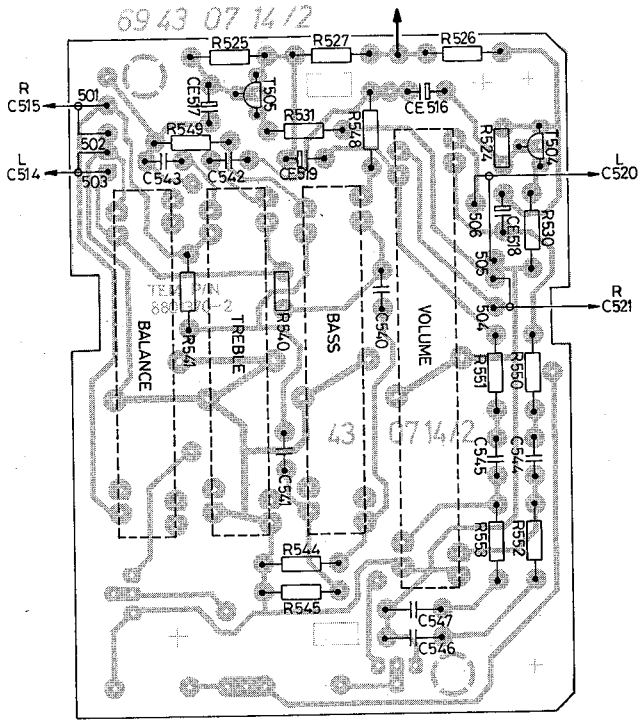
SUPER TOURING 350

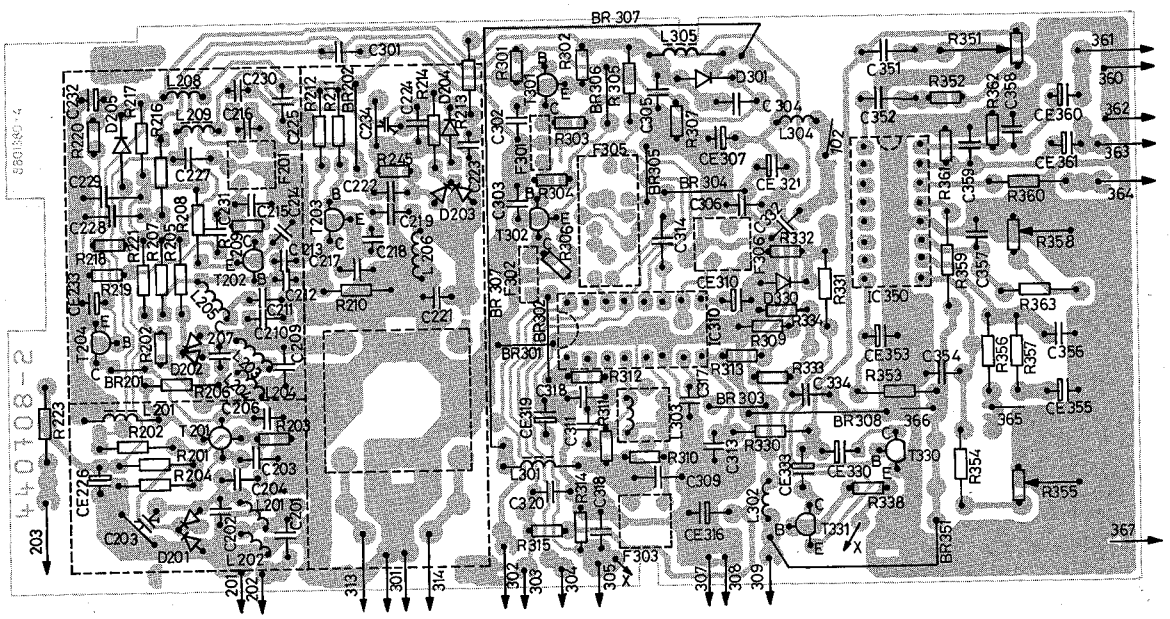
SUPER PROFI 430

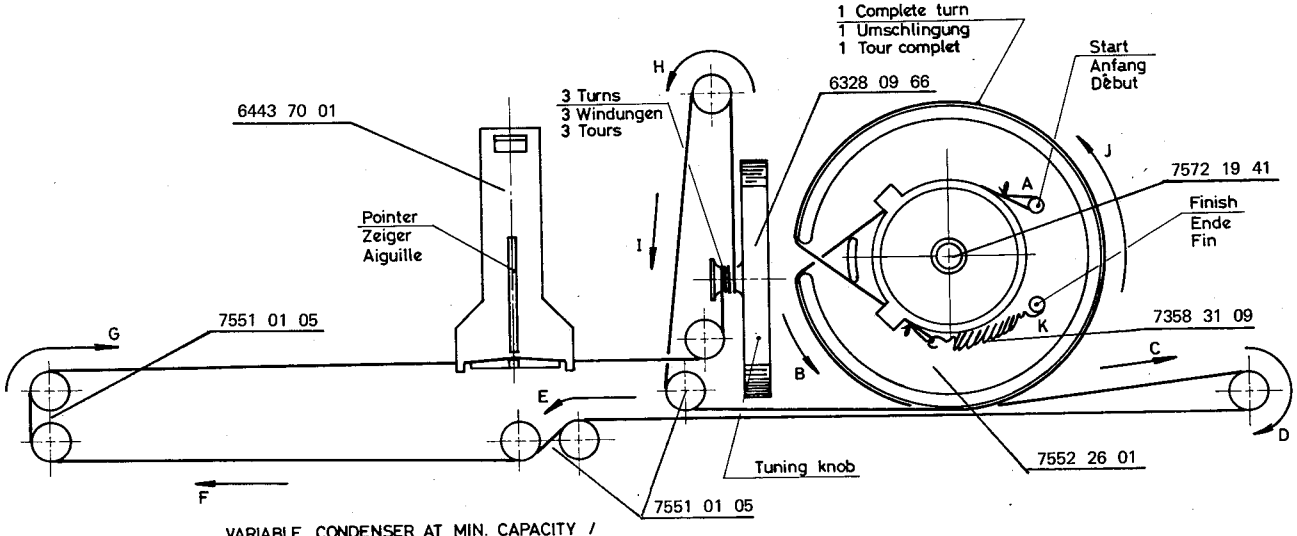
RC
127
1985



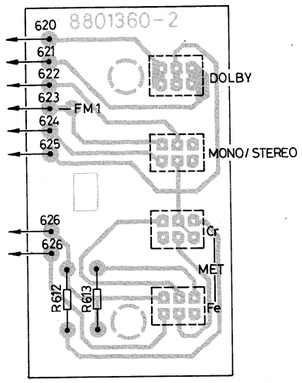
Bei Reparaturen gültige Sicherheitsvorschriften beachten!

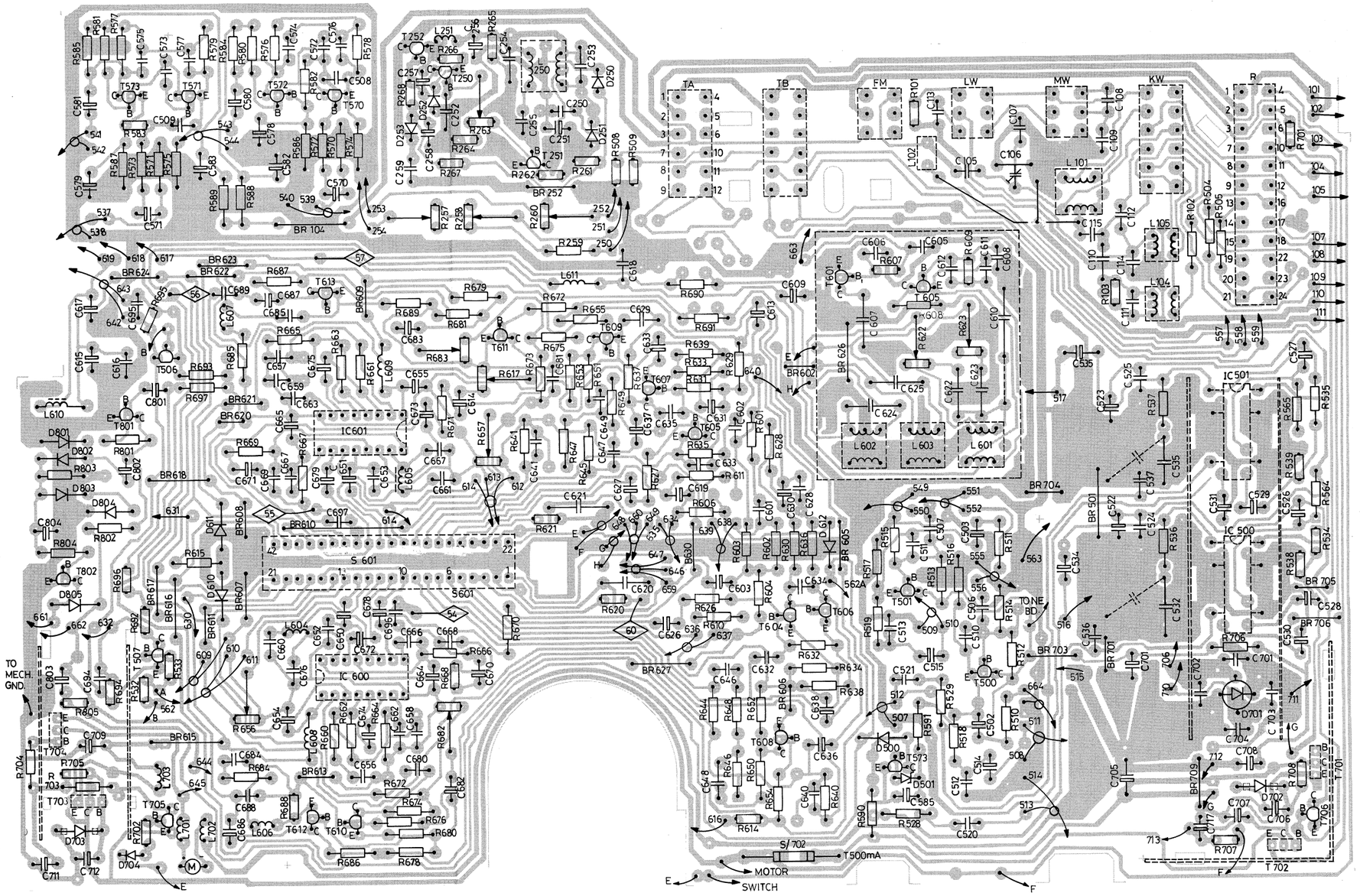


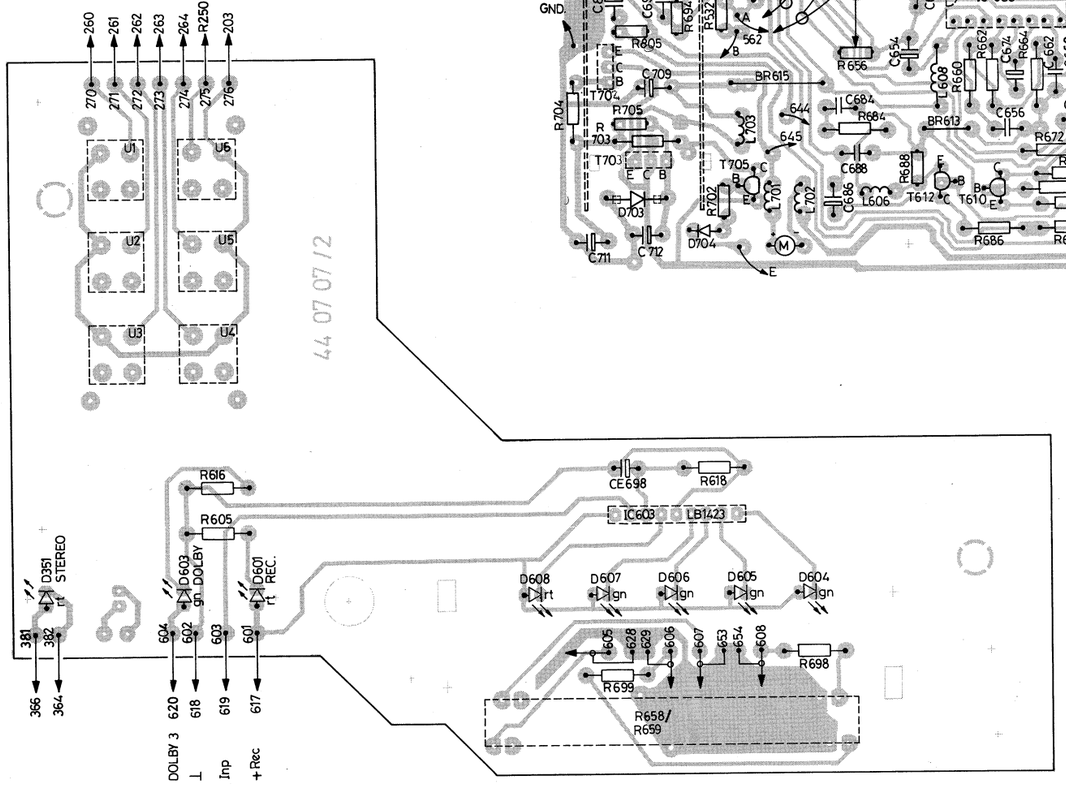


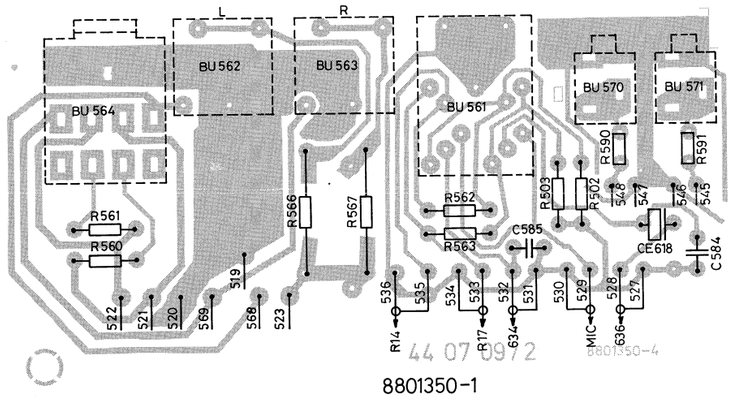


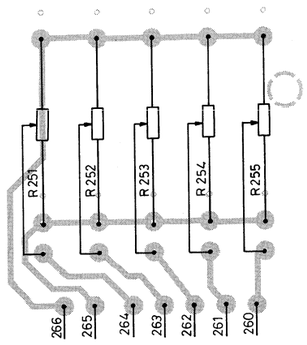
VARIABLE CONDENSER AT MIN. CAPACITY /
DREHKO AUF MIN. KAPAZITAT EINGESTELLT /
CONDENSATEUR AU MINIMUM DE CAPACITÉ.

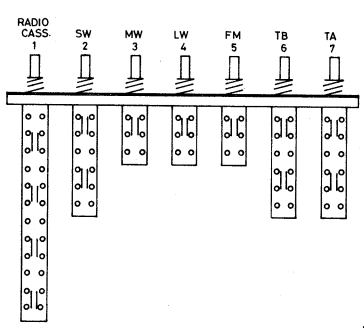

8801360-2
620
621
622
623
624
625
626
626
DOLBY
FM1
MONO/ STEREO
Cr
MET
Fe
R612
R613

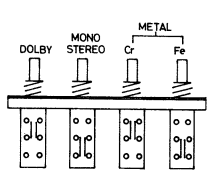

TA
TB
FM
LW
MW
KW
R
IC 601
IC 600
IC 602
IC 603
IC 501
IC 500
S 601
S/ 702
T500mA
MOTOR
SWITCH
TONE BD
TO MECH. GND.

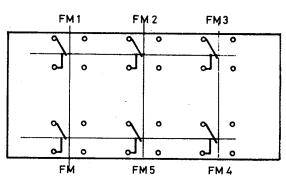

44 07 07 12
U1
U2
U3
U4
U5
U6
D351 STEREO
D603 DOLBY
D601 REC.
IC603 LB1423
DOLBY 3
Inp
+ Rec

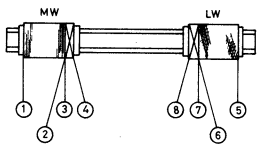

BU 562
BU 563
BU 564
BU 561
BU 570
BU 571
44 07 09 72
8801350-4
8801350-1

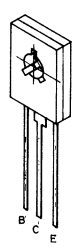

R251
R252
R253
R254
R255

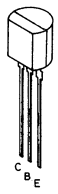


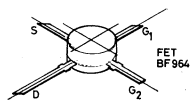


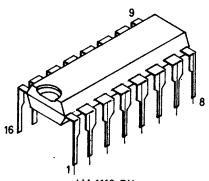


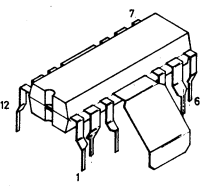


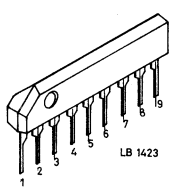












SICHERHEITSBAUTEILE IM SINN DER SICHERHEITSBESTIMMUNG DIESE TEILE DÜRFEN NUR DURCH ORIGINAL TEILE ERSETZT WERDEN.

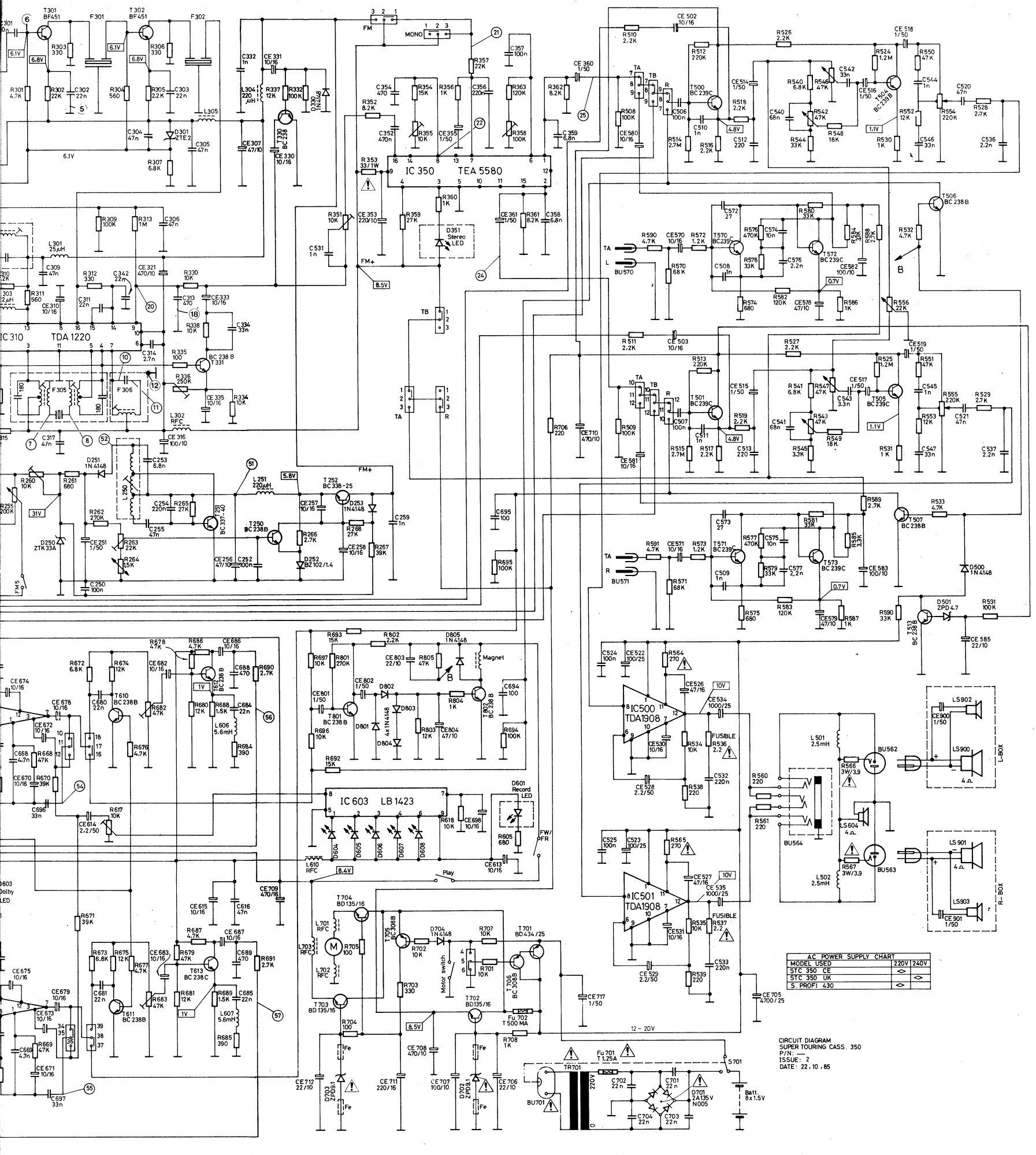
SAFETY-REQUIREMENTS COMPONENTS IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS, THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.

L'ECHANGE DE CES COMPOSANTS PAR DES PIECES NON HOMOLOGUEES RISQUE DE FAIRE PERDRE LA SECURITE DANS CE CAS NOUS DEGAGEONS NOTRE RESPONSABLITE

WELLENBEREICHE / WAVE RANGES / GAMMES D'ONDES		
FM / MF	87.5 —— 108 MHz	
MW / PO	510 —— 1620KHz	
LW / GO	145 ——> 270 KHz	
SW / OC	5.8 ——> 15.8 MHz	
ZF / IF / FI	549 KHz / 10.7 MHz	

ALLE WIDERSTANDE	1/4W
ALL RESISTORS	1/4W
TOUTE RESISTANCES	1/4W

▭ BETRIEBSSPANNUNG GEGEN MASSE
OPERATING VOLTAGE MEASURED TO GROUND

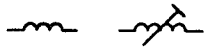

IC 350 TEA 5580
IC 310 TDA 1220
IC 603 LB 1423
IC500 TDA1908
IC501 TDA1908
T301 BF451
T302 BF451
T304 BC 238B
T305 BC 239C
T306 BC 238B
T307 BC 238B
T310 BC 238B
T311 BC 238B
T330 BC 238
T331 BC 238 B
T500 BC 239C
T501 BC 239C
T502 BC 239C
T503 BC 239C
T504 BC 238B
T505 BC 239C
T506 BC 238B
T507 BC 238B
T513 BC 238B
T570 BC 239C
T571 BC 239C
T572 BC 239C
T573 BC 239C
T601 BC 238B
T602 BC 238B
T603 BC 238B
T604 BC 238B
T605 BC 238B
T606 BC 238B
T607 BC 238B
T608 BC 238B
T609 BC 238B
T610 BC 238B
T611 BC 238B
T612 BC 238 B
T613 BC 238C
T701 BD 434/25
T702 BD135/16
T703 BD 135/16
T704 BD135/16
T705 BC 308B
T706 BC 308B
T750 BC 238B
T751 BC 337-40
T752 BC 338-25
T801 BC 238 B
T802 BC 238 B
D251 1N 4148
D252 BZ 102/1.4
D253 1N4148
D301 ZTE 2
D351 Stereo LED
D500 1N 4148
D501 ZPD 4.7
D601 Record LED
D602 Dolby LED
D701 2A135V N005
D702 2P28.1
D703 2P09.1
D704 1N 4148
D802 1N 4148
D803 4x1N4148
D804 1N 4148
D805 1N 4148
BU562
BU563
BU564
BU570
BU571
BU701
TR701
Magnet
Motor switch
Play
FM
MONO
FM+
FM5
FW/RR
L-BOX
R-BOX
LS900
LS901
LS902
LS903
LS604
AC POWER SUPPLY CHART
MODEL USED | 220V | 240V
STC 350 CE | ◇ |
STC 350 UK | | ◇
S. PROFI 430 | ◇ |
CIRCUIT DIAGRAM
SUPER TOURING CASS. 350
P/N: —
ISSUE: 2
DATE: 22 . 10 . 85

MW	SWEEP GEN. TP 17 ⊥ TP 18 ≈ 459 kHz	via 15 K TP 20	1600 kHz	F 305	Max.	TP 10 TP 11 10 k 1k 1k TP 7 TP 8 TP 12
	"	"	"	F 306	"	TP 10 TP 11 10 k 1k 1k TP 7 TP 8 TP 12
MW	510 kHz	"		L 105	"	
	1620 kHz	"		C 103	"	
	600 kHz	"	600 kHz	L 1	"	
	1400 kHz	"	1400 kHz	C 101	"	
LW	150 kHz	"	–	–	"	CHECK 150 kHz
	160 kHz	"	–	L 2	"	
SW	5,8 MHz	"		L 104	"	15 pF RA
	6,5 MHz	"	6,5 MHz	L 101	"	
	14,5 MHz	"	14,5 MHz	C 106	"	
FM	SWEEP GEN. 10,7 MHz TP 6 ⊥ TP 5	"	–	F 303	Max., Sym.	C 301
FM	TP 2 90 MHz	"	90 MHz	F 201	"	C 301
FM	–	–		R 250	Max.	TP 1 / FM-TUNING
				R 260	25 V	
				R 250	Min.	
				R 258	25 V	
FM	–	–	–	PRESET PUT FM 1 . . . FM 5	Min.	" / PRESET FM 1 . . . FM 5
	–	–	–	R 257	2,5 V	
FM	TP 2 ⊥ TP 3 87,45 MHz	TP 20		L 206	Max.	
	108 MHz	"		C 234	"	
	90 MHz	"	90 MHz	L 201 L 203	"	
	106 MHz	"	106 MHz	C 203 C 208	"	
FM	–	–	8888 f TP 2 Ri > 100 kΩ	R 355	228 kHz	Decoder
FM	TP 2 ⊥ TP 3 MULTIPLEX	TP 24 (R) TP 25 (L)	–	R 351	Min.	CROSS TALK
	" 19 kHz	–	–	R 358	Min.	TP 24 (TP 25)

						!
–	–	TP 54 (TP 55)	3150 Hz START ▶	Capstan motor	3105 – 3195 Hz	
–	TP 54 (L) TP 55 (R)	–	10 kHz START ▶		max. (L) max. (R)	
–	"	–	TEST TAPE 315 Hz START ▶	R 656 (L) R 657 (R)	580 mV ≈ ± 10 mV	
–	–	TP 58/60 (TP 59/61)	RECORD ● (STEREO)	L 601	70,4 kHz ± 0,3 kHz	
–	TP 56/57	–	RECORD ●	L 602/603	Min.	
–	TP 58/60 TP 59/61	–	CR	R 622 R 623	≈ 5,4 mV	
BU 561 Pin 3/5 333 Hz	–	–	RECORD ●	GENERATOR OUTPUT	183 mV – 10 dB (DOLBY)	TP 54/55
				R 682/683	64 mV	TP 56/57
"	–	–	RECORD ●	–	580 mV	TP 54/55
				R 617		D 601 Min.

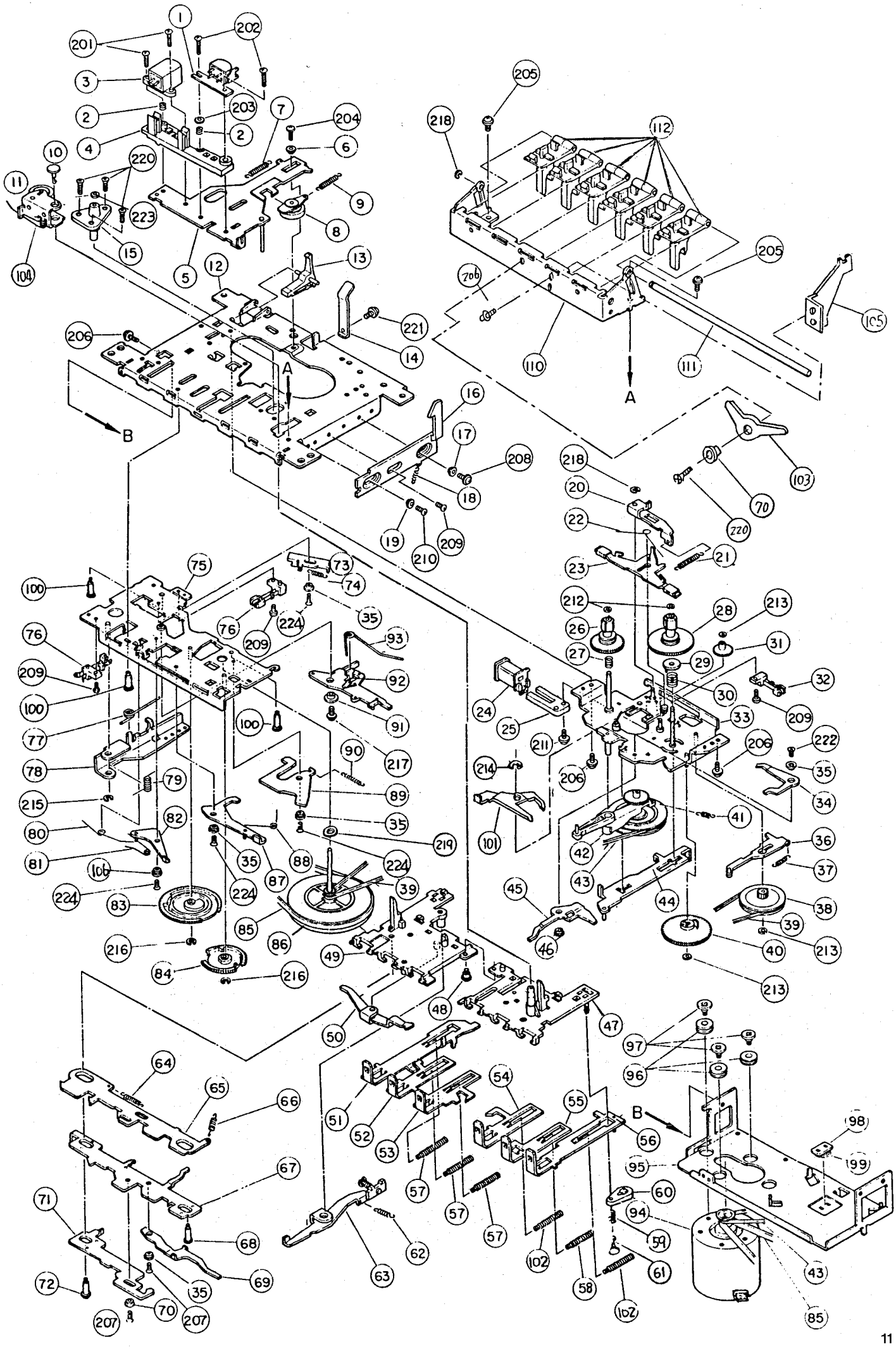
Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
	D	
IC 310	TDA 1220 B	3768 96 03
IC 350	TEA 5580	3773 11 75
IC 500, 501	TDA 1908	3763 13 25
Kühlblech, Heat sink, Tôle de refroid.		6524 35 01
IC 600, 601	LM 11128	3763 22 13
IC 603	LB 1423	3763 22 54
T 201	BF 964	3611 11 20
T 202, 203, 301, 302	BF 451	3612 52 31
T 204	BC 238 C	3614 01 23
T 250, 330, 506, 507, 601, 608, 609, 610, 611, 612, 613, 801, 802	BC 238 B	3614 01 51
T 500, 501, 504, 505, 570, 571, 572, 573, 604, 605, 606, 607	BC 239 C	3614 18 52
T 251, 602	BC 337-40	3614 41 05
T 252	BC 338-25	3614 41 39
T 202, 703, 704	BD 135-16	3616 12 36
T 701	BD 434-25	3616 18 07
D 201, 202	BB 204 GN	3651 18 11
D 203	BB 204 BL	3651 15 10
D 204	I II 212	3651 07 12
D 205	AA 143	3662 15 01
D 250	ZTK 33 A	3653 18 72
D 251, 253, 330, 331, 610, 611, 801, 802, 803, 804, 805	IN 4148	3656 08 10
D 252	ZTE 1,5	3653 15 09
D 301	ZTE 2	3653 15 10
D 351, 603, 604, 607	TLSR 5101 GN	3681 16 77
D 601, 608	TLSR 5101 RT	3681 11 45
D 701	2 W 005	3674 01 55
D 702, 703	ZD 9,1	3653 05 01
R 251,252,253, 254,255	Pot. 200 k	3112 67 27
R 257	Pot. 2,2 k	3111 52 27
R 258	Pot. 5 k	3111 80 32
R 260, 351, 355, 617	Pot. 10 k	3111 80 44
R 263	Pot. 22 k	3111 50 68
R 264	NTC 1,5 k	3171 91 85

Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description	Bestell-Nr. Part-No. No. de comm.
R 333, 358, 622, 623	Pot. 100 k	3111 80 30
R 536, 537	2,2 OHM 0,25 W	3151 82 35
R 542, 546	Pot. BASS	3118 65 28
R 554	Pot. VOLUME	3118 65 26
R 556	Pot. BALANCE	3118 65 25
R 630, 631	100 K 0,25 W	3151 81 66
R 656, 657, 682, 683	Pot. 47 k	3111 48 60
R 658, 659	Pot. REC	3118 65 27
C 106	Trimmer 1,6/15 pF	3412 90 36
C 203	Trimmer 1,2/6 pF	3412 90 29
C 208	Var. cap.	3413 18 25
C 234	Trimmer 10 pF	3412 90 01
C 232, 233	0,47 uF 50 V	3422 09 93
C 650, 651	1 uF 35 V	3441 45 06
C 226, 251, 335, 360, 361, 514, 515, 516, 517, 518, 519, 801, 802	1 uF 63 V min.	3422 85 28
C 528, 529, 614, 626, 627, 803	2,2 uF 50 V min.	3422 85 09
C 330	10 uF 16 V	3422 09 98
C 257, 258, 331, 333, 530, 531, 570, 571, 580, 581, 603, 606, 607, 613, 615, 617, 619, 636, 637, 654, 655, 670, 671, 672, 673, 674, 675, 678, 679, 682, 683, 698		
CE 618	10 uF 16 V min.	3422 85 30
C 310	10 uF 50 V	3422 86 19
C 706, 712	22 uF 10 V	3441 22 15
C 256, 307, 526, 527, 578, 579, 630, 631, 638, 639, 804	47 uF 16 V min.	3422 85 42
C 582, 483	100 uF 10 V min.	3422 85 38
C 316, 319	100 uF 25 V	3422 85 21
C 522, 523	100 uF 25 V min.	3422 86 34
C 664, 665	220 uF 10 V min.	3422 85 29
C 353, 609, 707, 711	220 uF 16 V min.	3422 85 18
C 708, 709, 710	470 uF 16 V min.	3421 08 96
C 321	1000 uF 10 V	3422 85 40
C 534, 535	1000 uF 25 V	3422 37 16
C 705	47000 uF 25 V	3422 86 62

Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
	
L 1/2	4543 18 58
L 101	4543 05 27
L 102	4543 97 97
L 104	4545 05 27
L 105	4545 05 26
L 201	4543 18 56
L 202	4543 18 55
L 203	4543 18 56
L 204	4543 13 44
L 205	4543 18 57
L 206	4545 05 28
L 207	4557 02 11
L 208	4543 12 69
L 209	4543 12 69
L 250	4545 05 25
L 251	4557 08 51
L 301	4543 12 69
L 302	4557 08 52
L 303	4543 96 46
L 304	4557 08 51
L 305	4543 12 69
L 501	4543 18 75
L 502	4543 18 75
L 601	4545 05 29
L 602	4543 94 66
L 603	4543 94 66
L 604	4543 15 70
L 605	4543 15 70
L 606	4543 15 71
L 607	4543 15 71
L 608	4543 12 69
L 703	4543 12 69
F 201	4552 83 92
F 301	4552 87 60
F 302	4552 87 60
F 303	4552 92 10
F 305	4551 88 04
F 306	4552 92 11
Laufwerk kpl. Drive mechanism compl. Mécanisme d'entrainement compl.	5863 11 48

Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
1	4335 92 37
2	7358 26 73
3	4337 91 59
4	8681 37 54
5	8318 46 59
6	6568 11 60
7	7358 24 88
8	7348 41 84
9	7358 24 87
10	8681 23 80
11	7538 33 41
12	8318 47 64
13	8681 23 78
14	7358 23 46
15	7618 42 18
16	8681 37 58
17	6568 11 54
18	7358 28 57
19	6568 11 53
20	8318 46 76
21	7358 23 05
22	7358 24 90
23	8318 46 81
24	4671 90 11
25	4653 41 04
26	6253 41 42
27	7358 24 89
28	6253 41 43
29	8681 37 59
30	7358 24 91
31	7525 09 73
32	4188 04 41
33	8318 46 18
34	8318 46 75
35	6568 11 61
36	8318 46 84
37	7358 23 03
38	7548 41 85
39	7618 41 62
40	7525 10 33
41	7358 23 04
42	7424 01 20
43	7618 42 20
44	8318 46 85
45	8318 46 86
46	7578 05 49
47	8681 37 57
48	7858 01 53
49	8681 37 56
50	8318 46 61
51	8318 46 69
52	8318 46 70
53	8318 46 71
54	8318 46 72
55	8318 46 73
56	8318 46 74
57	7358 24 98

Positions-Nr. Reference-No. Numéro de position	Bestell-Nr. Part-No. Numéro de commande
58	7358 23 07
59	7358 24 99
60	8681 37 62
61	8641 23 22
62	7358 23 45
63	8318 47 65
64	7358 24 96
65	8318 47 66
66	7358 24 97
67	8318 46 78
68	7858 01 49
69	8318 46 68
70	6568 11 62
71	8318 47 67
72	7858 01 48
73	8318 46 64
74	7358 24 82
75	8318 46 63
76	4188 04 34
77	7358 24 92
78	8318 46 77
79	7358 23 02
80	7358 24 93
81	7358 24 94
82	8318 46 82
83	7525 10 32
84	7525 10 31
85	7518 42 14
86	7518 40 87
87	8318 46 83
88	7358 24 83
89	8318 46 66
90	7358 33 71
91	6568 11 55
92	8318 47 68
93	4432 92 03
95	8318 46 67
96	6552 23 41
97	7858 01 50
98	8681 37 60
99	7358 24 95
100	7858 01 47
101	8318 46 62
102	7358 11 63
103	6568 11 63
104	7358 24 81
105	8318 46 87
106	8318 47 69
110	8318 47 70
111	7578 05 48
112	8681 37 55
202	8188 02 21
212	7726 05 33
213	8188 03 98
220	7858 01 44
223	7726 59 25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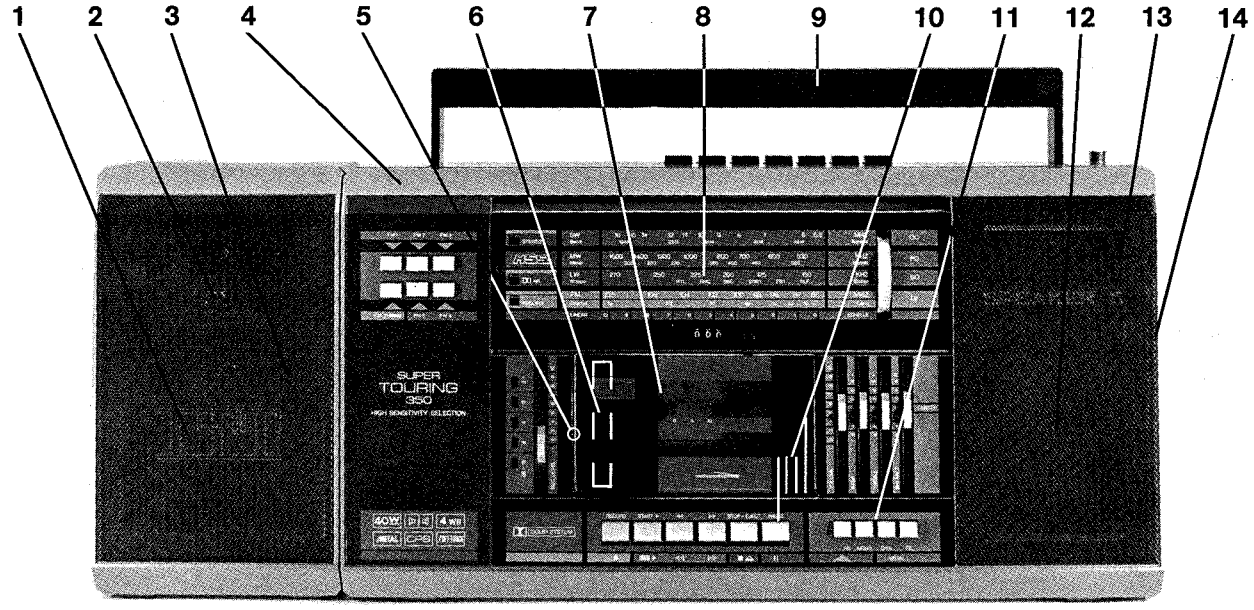
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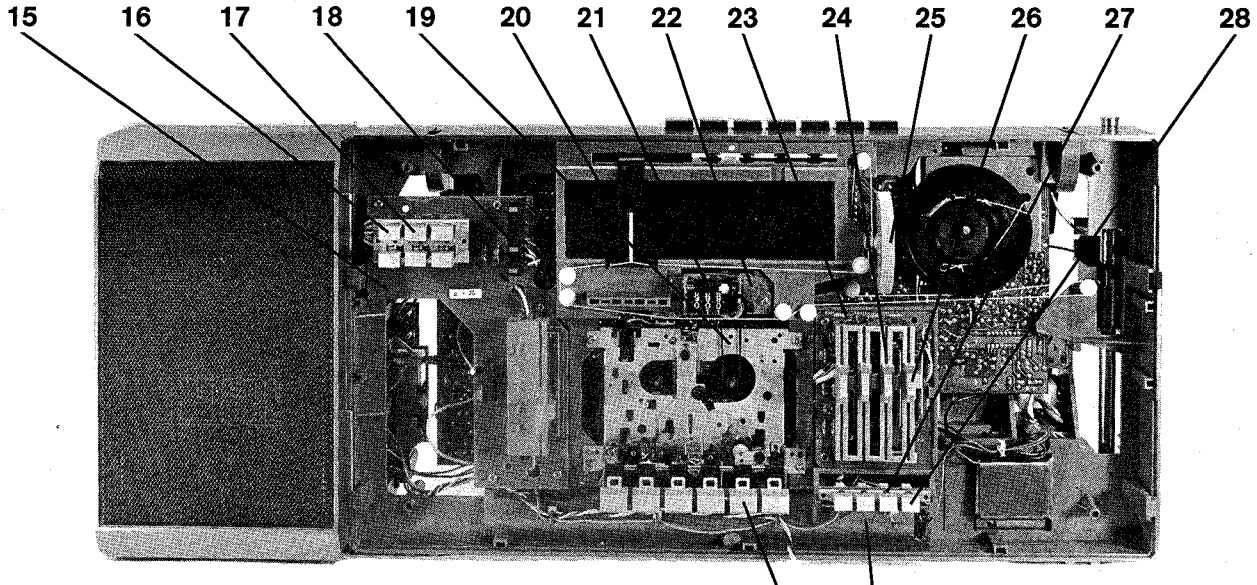
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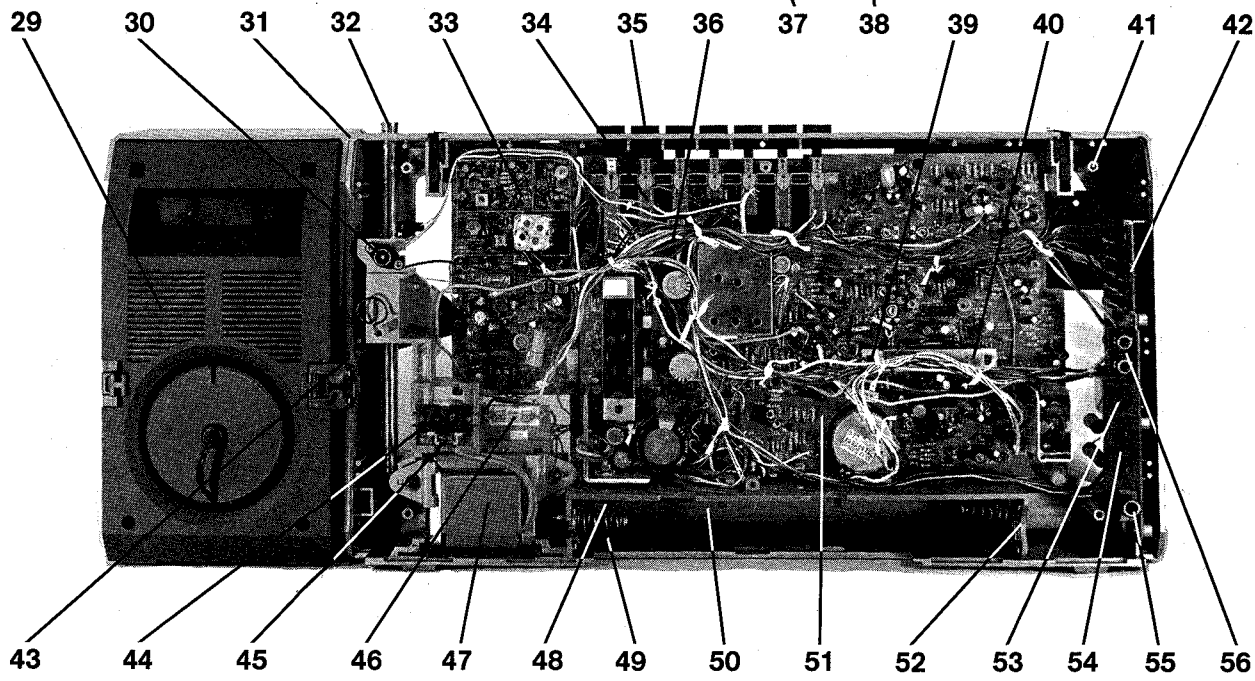
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Positions-Nr. Reference-No. Numéro de pos.	Gegenstand Description Description		Bestell-Nr. Part-No. No. de comm.
1	Lautsprecher LS 900/901 Loudspeaker LS 900/901 Haut parleur LS 900/901		4311 11 33
2	Lautsprecher LS 902/903 Loudspeaker LS 902/903 Haut parleur LS 902/903		4311 94 02
3	Lautsprecherbox, kompl. Speakerbox, compl. Enceinte de haut parleur, compl.	S-PROFI	6137 07 02 6137 02 08
4	Gehäusefront, kpl. Cabinet front, compl. Boîtier front, compl.	S-PROFI	6135 48 17 6135 48 31
5	Bremse Brake Frein		6351 03 01
6	Haltefeder (Cassette) Spring (Cassette) Ressort (Cassette)		7368 73 01
7	Cassettenklappe, kpl. Casette lid, compl. Volet de cassette, compl.	S-PROFI	8625 46 02 6135 48 32
8	Skala Dial Cadran	S-PROFI	6462 95 02 6462 57 26
9	Griff Handle Portant		6341 49 30
10	Torsionsfeder Torsion spring Ressort de torsion		7358 11 02
11	Abdeckung (unten) Covering (below) Ecran (dessous)	S-PROFI	6416 52 21 6416 44 53
12	Lautsprecher LS 904 Loudspeaker LS 904 Haut parleur LS 904		4311 35 45
13	Mikrofon Microphone Microphone		4317 02 13
14	Gehäuserückteil, kpl. Cabinet rear section, compl. Boîtier arrière	S-PROFI	6135 48 19 6135 48 35
15	Festsenderplatte Preset board Plaque préréglée		6913 28 70
16	Taste (Preset) Pushbutton (Preset) Bouton poussoire (Preset)		6315 46 01
17	Tastatur (Preset) Push button assy. (Preset) Clavier (Preset)		4112 67 06
18	Diodenhalter Diode support Support des diodes		8624 42 11
19	Antriebsriemen (Zähler) Drive belt (counter) Courroie de commande		7618 42 22
20	Skalenblende Dial dummy plate Fausse de cadran		8846 03 01
21	Zähler Counter Compteur		6467 02 03
22	Winkel Bracket Equerre		8312 08 02
23	Tonplatte Tone board Plaque son		6913 28 68
24	Führung (Toneinsteller) Guiding (Tone controls) Guide (Commandes de son)		8624 42 02
25	Knopf (Sender) Knopf (Tuning) Bouton (Accord stations)	S-PROFI	6328 09 66 6328 09 71
26	Knopf (REC/Ton) Knob (REC/Tone) Bouton (REC/son)		6312 07 04
27	Tastatur (DOLBY-FE) Push button assy. (DOLBY-FE) Clavier (DOLBY-FE)		4112 67 05
28	Taste (DOLBY-FE) Push button (DOLBY-FE) Bouton poussoire (DOLBY-FE)		6315 47 04
29	Rückteil (Box) Cabinet back (Box) Boîtier arrière (Enceint-HP)	S-PROFI	6137 07 10 6135 48 34
30	Antennenbuchse Antenna socket Prise antenne		4135 07 75
31	Gehäusemittelteil, kpl. Cabinet center-section, compl. Boîtier milieu, compl.	S-PROFI	6135 48 18 6135 48 33
32	Teleskopantenne Telescopic antenna Antenne télescopique		4471 90 22
33	ZF-FM-DECODER-Platte IF-FM-DECODER Board Plaque IF-FM-DECODER		6913 28 67
34	Tastatur TA-CASS. Push button assy. TA-CASS. Clavier TA-CASS.		4112 67 04
35	Taste TA-CASS. Push button TA-CASS. Bouton poussoire TA-CASS.	S-PROFI	6315 47 07 6318 32 05
36	Ferritstabhalter Ferrite rod holder Support d'antenne ferrite		8681 35 06
37	Taste (Cassette) Push button (Cassette) Bouton poussoire (Cassette)		6315 47 10
38	Platte DOLBY-FE DOLBY-FE Board Plaque DOLBY-FE		6913 28 66
39	Blattfeder (REC) Leaf spring (REC) Ressort plat (REC)		7358 23 47
40	A/W-Schalter S 601 R/P switch S 601 Commutateur E/R S 601		4112 87 91
41	Schraube 3 x 60 Screw 3 x 60 Vis 3 x 60		7858 63 83
42	Buchsenplatte Sockets board Plaque des prises		6913 28 65
43	Befestigungsclip Fixing clip Brides de verrouillage		8622 25 02
44	Netzbuchse Mains socket Prise secteur		4144 80 52
45	Halter für Netzbuchse Holder for mains socket Support pour prise secteur		8681 37 95
46	Sicherungshalter Fuse holder Porte fusible		4157 04 04
47	Netztrafo Tr 701 Mains transformer Tr 701 Transformateur secteur Tr 701	UK	4511 07 25 4511 33 52
48	Batteriefeder - Battery spring - Ressort de pile -		7358 12 69
49	Batteriekontakt + Battery contact + Contact de pile +		7348 24 51
50	Batteriedeckel Battery lid Couvercle des piles	S-PROFI	6135 06 14 6135 48 36
51	HF-NF-REC-Platte RF-AF-REC Board Plaque RF-BF-REC		6913 28 69
52	Kontaktplatte + - Battery contact + - Contact des piles + -		7348 12 86
53	DIN Buchse BU 561 DIN socket BU 561 Prise DIN BU 561		4144 81 11
54	Lautsprecherbuchse BU 562/3 Loudspeaker socket BU 562/3 Prise haut parleur BU 562/3		4144 81 22
55	Kopfhörerbuchse BU 564 Headphone socket BU 564 Prise casque BU 564		4144 80 53
56	Cinch-Buchse BU 570/1 Cinch-Socket BU 570/1 Prise cinch BU 570/1		4143 07 15

Herausgegeben von:
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Änderungen vorbehalten
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Ersatzteil-Bestellungen

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BTX-Ersatzteil-Bestellseite
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